

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/06468

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 B22D11/06

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B22D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98 04369 A (VOEST ALPINE IND ANLAGEN ;ACCIAI SPECIALI TERNI SPA (IT); GUASTO G) 5 February 1998 (1998-02-05) cited in the application the whole document	1-20
A	EP 0 714 715 A (THYSSEN STAHL AG ;USINOR SACILOR (FR)) 5 June 1996 (1996-06-05) cited in the application the whole document	1-20
A	EP 0 620 061 A (USINOR SACILOR ;THYSSEN STAHL AG (DE)) 19 October 1994 (1994-10-19) cited in the application the whole document	1-20
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search

11 September 2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 380 698 A (NISSHIN STEEL CO LTD) 8 August 1990 (1990-08-08) cited in the application the whole document ----	1-20
A	EP 0 285 963 A (NISSHIN STEEL CO LTD) 12 October 1988 (1988-10-12) cited in the application the whole document ----	1-20
A	EP 0 546 206 A (NIPPON STEEL CORP) 16 June 1993 (1993-06-16) abstract; claims 1,3; figures 1-3 ----	1-20
A	DE 100 56 916 A (SMS DEMAG AG) 23 May 2002 (2002-05-23) abstract; claim 1; figure 1 ----	1-20
A	US 5 154 222 A (BIRAT JEAN-PIERRE ET AL) 13 October 1992 (1992-10-13) the whole document ----	1-20
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